

REMARKS/ARGUMENTS

Applicant would like to thank the Examiner for the careful consideration given the present application. The application has been carefully reviewed in light of the Office Action, and amended as necessary to more clearly and particularly describe the subject matter which Applicant regards as the invention.

Claims 33 and 35–39 have been amended.

The Examiner has indicated that claims 29–32 and 40–43 are allowable.

Claims 1–13 are rejected under judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1–13 respectively, of U.S. Patent No. 6,662,101. Claims 14–17 are rejected under judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 14–17 respectively, of U.S. Patent No. 6,662,101. Applicant will submit a terminal disclaimer in compliance with 37 CFR 1.321(c) to overcome the rejection.

Claims 38 and 39 are rejected under 35 U.S.C. 112, second paragraph. Claim 38 and 39 have been amended as suggested by the Examiner.

Claims 35–37 are objected to because of informalities. Claims 35–37 have been amended to correct the informalities.

Claims 18, 20–28, 33–39, and 44 stand rejected under 35 U.S.C. 102(e) as being anticipated by Ito et al. (U.S. Patent No. 6,249,740). For at least the following reasons, the Examiner's rejection is respectfully traversed.

Ito does not disclose or suggest at a receiving side “calculating a path connecting said selected nodes on the second digital map based on said coordinate information; and identifying position of said target road section on the second digital map based on the calculated path” as recited in claim 18. Similar language is found in claims 21, 35–37, 39, and 44.

Ito discloses a navigation base apparatus 150 that determines a searched route represented by intersection numbers and road numbers, which exist along the searched route between the departure point and destination point (col. 11, lines 47–57). In Ito, the road data corresponding to each road number includes road distance and node point data for tracing roads; the intersection data corresponding to each intersection number includes position data and intersection name (col. 11, lines 58–65). The Ito navigation base apparatus 150 also determines course-change points on the searched route and extracts area guidance data (i.e., map data, road data and intersection data concerning the surrounding area) around each course-change point (col. 12, lines 5, 62). In Ito, a outline map for the searched route is also produced (col. 14, line 39–46). Finally, Ito discloses transmitting all of this route/guidance data (i.e., outline map, road data, intersection data, and area guidance data) to the vehicle navigation apparatus 100.

The Ito vehicle navigation apparatus 100 first receives the outline map and then displays the searched route on the display 106 in the form of the outline map (col. 16, lines 20–26; Fig 9(B)). In Ito, if displayed searched route is acceptable, the remaining route/guidance data is received and stored (col. 16, lines 21–52). As the vehicle travels, the Ito route/guidance data is retrieved from storage and a map of the area around the departure point is displayed on the display 106, while map matching of the vehicle position to the route/guidance is also carried out so the current position of the vehicle is displayed on the map (col. 16, line 54, to col. 17, lines 19; Fig. 9(B)).

The Ito vehicle navigation apparatus 100 merely displays the searched route by *displaying the outline map*. Ito does not disclose or teach *calculating a path* connecting the selected course-change points. Ito also does not disclose or teach *identifying position* of the searched route on the map based on the calculated path. Therefore, Ito does not disclose or teach calculating a path connecting the selected nodes on the second digital map based on said coordinate information,

and identifying position of the target road section on the second digital map based on the calculated path. Thus, Ito does not disclose or teach all the elements of the claimed invention.

With regards to claim 33, Ito does not disclose or teach “means for intermittently selecting node groups from points arranged on the target road section” as recited in claim 33. Similar language is found in claim 38.

The Ito navigation base apparatus 150 determines course-change points on the searched route and extracts area guidance data (i.e., map data, road data and intersection data concerning the surrounding area) around each course-change point (col. 12, lines 5, 62). Since Ito only teaches determining course-change points, Ito fails to disclose or teach selecting node groups on the searched route. Therefore, Ito does not disclose or suggest all the elements of the claimed invention.

With regards to claim 34, Ito does not disclose or teach “means for intermittently selecting nodes from points arranged on the target road section in such manner that nodes are selected more thickly in the predetermined section than the other section of the target road section” as recited in claim 34.

The Ito navigation base apparatus 150 determines course-change points on the searched route and extracts area guidance data (i.e., map data, road data and intersection data concerning the surrounding area) around each course-change point (col. 12, lines 5, 62). Ito fails to disclose or teach selecting course-change points in such a manner that the course-change points are selected more thickly in a predetermined section of the searched route than another section. Therefore, Ito does not disclose or suggest all the elements of the claimed invention.

In light of the foregoing, it is respectfully submitted that the present application is in a condition for allowance and notice to that effect is hereby requested. If it is determined that the

application is not in a condition for allowance, the Examiner is invited to initiate a telephone interview with the undersigned attorney to expedite prosecution of the present application.

If there are any additional fees resulting from this communication, please charge same to our Deposit Account No. 16-0820, our Order No. 34825US1.

Respectfully submitted,
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